

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0093] with the following amended paragraph:

[0093] The invention also pertains to methods for identifying small molecules associated with, for example, body weight disorders such as obesity. Examples of methods for identifying small molecules associated with body weight disorders are [[30]] described below. The following experiments are directed to the identification of small molecules associated with short term appetite control. These experiments can be used to identify small molecules involved in signaling hunger and satiety.

Please replace paragraph [0365] with the following amended paragraph:

[0365] After complete unblinding, a full analysis of the data set was done and the results are shown in FIGS. 6A-6C. Using the peaks identified as consistently variant (from controls) in one or more populations (FIG. 6A and 6B), metabolometric analysis was used to determine which subjects were ~~suffering~~ suffering from ALS and which subjects were on Riluzole therapy. In addition, subjects with pure lower motor neuron disease and SALS were differentiated. After unblinding, it was possible to identify four groups: controls (~~Black square~~), ALS subjects on Riluzole (~~Blue diamond~~), ALS patients off Riluzole (~~Red circle~~), and atypical ALS (~~Yellow triangle~~) (FIG. 6C).